

## Message Text

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ACTION EB-07

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 MC-02 ACDA-05

TRSE-00 EUR-12 ERDA-05 ISO-00 OES-03 EA-06 /041 W

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R 021134Z APR 75

FM USMISSION OECD PARIS

TO SECSTATE WASH DC 6295

C O N F I D E N T I A L SECTION 01 OF 04 OECD PARIS 08157

EXCON

E.O. 11652 XGDS1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW - IL 1522 - LASERS AND  
EQUIPMENT CONTAINING LASERS

REFS: A. COCOM DOC REV (74) 22

B. STATE 066355

C. COCOM DOC REV (74) 1522/2

SUMMARY: ON MARCH 25, TECHNICAL ADVISORS AND DELEGATES PREPARED A COMPLETE REVISION OF THE EMBARGO DEFINITION FOR LASERS (IL1522), STRUCTURED IN A MANNER WHICH MEETS THE CONCERN EXPRESSED IN OUR INSTRUCTIONS THAT ALTHOUGH MANY LASERS THEMSELVES NEED NOT BE EMBARGOED, CARE SHOULD BE TAKEN TO RETAIN CERTAIN EQUIPMENT CONTAINING LASERS UNDER CONTROL. ALL DELEGATES EXCEPT THAT OF FRANCE FOUND THE REDEFINITION FULLY ACCEPTABLE (US AD REF). REQUEST FINAL INSTRUCTIONS TO ACCEPT THE PROPOSED DEFINITION IN PARA. 16 BELOW. END SUMMARY.

1) THE US PRESENTED ITS REVISED COUNTERPROPOSAL AS INSTRUCTED IN REFERENCE 2. THE FRENCH DELEGATION QUESTIONED WHETHER THE US INTENDED NOTES 1 AND 2 TO BE ADMINISTRATIVE EXCEPTIONS NOTES. THE US REMARKED THEIR INTENTIONS WERE TO RELEASE THE LASERS AS ORIGINALLY PROPOSED BUT TO KEEP UNDER CONTROL EQUIPMENTS CONTAINING LASERS EXCEPT THOSE EXEMPTED FROM EMBARGO IN NOTE

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ING LASERS EXCEPT THOSE EXEMPTED FROM EMBARGO IN NOTE

2. AFTER SOME DISCUSSION ON THE BEST METHOD OF ACHIEVING THAT OBJECTIVE, THE COMMITTEE DECIDED TO DIVIDE THE PROPOSAL INTO TWO GENERAL CATEGORIES OF EXCLUSION, I.E. LASERS AND EQUIPMENT CONTAINING THEM.

2) THE UK SUGGESTED UTILIZING A NOTE 6 TYPE PROCEDURE (AS IN IL 1564) AS A MEANS OF ADDING EQUIPMENTS TO THE LIST IN PART 2. THE US ACCEPTED (AD REF) THIS PROCEDURE. PROPOSED LANGUAGE FOR THIS NOTE APPEARS IN THE REVISED TEXT IN PARA. 16 BELOW. ALL OTHER DELS ACCEPTED.

3) THE NETHERLANDS DELEGATION REQUESTED THE INSERTION OF A NOTE WHICH WOULD EXPLICITLY INCLUDE SEMI-CONDUCTOR LASERS UNDER THIS ITEM BUT EXCLUDE NON-COHERENT - LED'S. SEE PARA. 16, BELOW.

4) THE UK QUESTIONED THE NECESSITY OF OMITTING HELIUM-NEON LASERS OPERATING IN THE 1.15 MICRON REGION. THE US ANSWERED THAT WE HAVE HAD CLASSIFIED APPLICATIONS IN THE INFRARED BUT COULD NOT SAY THESE LASERS WERE IMPORTANT. WE DID NOT INCLUDE THEM IN THE ORIGINAL PROPOSAL SINCE WE WANTED ONLY TO RELEASE CW VISIBLE LASERS IN THESE CLASSIFICATIONS.

5) THE UK QUESTIONED OUR OMISSION OF THE WORD "SPECTRAL" AND "RATED MINIMUM OUTPUT POWER" IN (A)(2). AFTER SOME DISCUSSION ON THESE POINTS, THE UK VOLUNTEERED TO REDRAFT (A) INTO 3 SEPARATE PARAGRAPHS LETTERED (A), (B), AND (C). THESE PARAGRAPHS APPEAR IN PARA. 16 BELOW. FORMER PARAGRAPHS (B), (C), AND (D) WERE RE-LETTERED (A), (C), AND (F) REPSECTIVELY. ALL DELEGATES ACCEPTED THE UK REVISED PARAGRAPHS (A), (B), AND (C).

6. SUB-ITEM (B) REFERRING TO RUBY LASERS (NEW SUB-ITEM (D)) WAS ACCEPTED BY ALL DELEGATIONS.

7. SUB-ITEM (C) REFERRING TO CARBON DIOXIDE LASERS (NEW SUB-ITEM (E)) WAS AMENDED TO ADD THE WORD "AVERAGE" BETWEEN "AN" AND "OUTPUT" IN (C)(2) AND 1000 WATTS WAS CONFIDENTIAL

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REPLACED BY 5000 WATTS. THE US AMENDMENTS FOR (C)(1) AND (C)(3) AS SUGGESTED IN REFERENCE B WAS SUBMITTED TO THE COMMITTEE. ALL DELEGATES, EXCEPT THE FRENCH (WHO RESERVED ON GOING TO 5 KILOWATTS SINCE THEIR AUTHORITIES HAD NOT STUDIED THIS PROPOSAL BEFOREHAND) ACCEPTED (C) (1), (2) AND (3) WITH ALL AMENDMENTS. (US AD REF).

8) THE UK QUESTIONED THE NECESSITY FOR SPECIFYING 1.06

MICRONS IN (D)(2) SINCE THEY WERE UNAWARE OF NEODYMIUM

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C O N F I D E N T I A L SECTION 02 OF 04 OECD PARIS 08157

LASERS OPERATING AT ANY OTHER WAVE-LENGTH (NEW (F)(2))-  
THE US STATED THAT THEIR CONCERN WAS FOR THE USE OF  
THESE LASERS WITH DOUBLERS OR OTHER FREQUENCY-CHANGING  
DEVICES WHICH WE DEEMED OF STRATEGIC IMPORTANCE. THE UK  
ACKNOWLEDGED OUR CONCERN. THEY SUGGESTED ADDING THE  
WORDS "RATED MINIMUM" BETWEEN "WAVE" AND "OUTPUT" IN  
(D)(2). ALL DELEGATIONS AGREED TO (D) AS AMENDED.

9) THE FRENCH DELEGATION REQUESTED THE INSERTION OF  
"SIMPLE" BETWEEN "AND" AND "CIVILIAN" IN (2)(A) TO IN-  
SURE THAT THE CODED TYPE INTRUSION DETECTION EQUIPMENT  
WOULD BE EMBARGOED. MOST DELS FELT THIS UNNECESSARY AND  
THE AMENDMENT WAS NOT ADOPTED. ALL DELEGATES ACCEPTED  
(A) AS ORIGINALLY PROPOSED IN REFERENCE 3.

10) ALL DELEGATES ACCEPT (B) AND (C) UNAMENDED. THE  
NETHERLANDS SUGGESTED PUTTING BACK THE WORDS  
"TRAFFIC AND" IN (D) AS IT PRESENTLY READS IN THE NOTE.  
ALL DELS ACCEPTED (D) AS AMENDED AS WELL AS (E)  
UNAMENDED.

11) THE FRENCH REQUESTED THE ADDITION OF DENSITOMETERS  
TO (F) CLAIMING THEY WERE RELEASED FROM EMBARGO IN  
1958. FYI - THE FRENCH CITED A DENSITOMETER CALLED

"MACBETH". SUGGEST US EXPERTS CHECK POSSIBILITY OF  
INADVERTENTLY RELEASING UNDER THIS ITEM LASER DENSITO-  
METERS WHICH MIGHT BE USED TO ANALYZE RECONNAISSANCE  
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PHOTOS. ALL DELEGATES AGREED, THE US AD REF. END FYI.

12) ALL DELS AGREED TO (G) UNAMENDED. THE UK D  
SUGGESTED ADDING "TEXTILE BONDING" TO (H) AND THE  
NETHERLANDS SUGGESTED THE SAME FOR "PAPER CUTTING AND  
BONDING EQUIPMENT". SUB-PARAGRAPH (H) WAS AMENDED TO  
READ "TEXTILE CUTTING AND TEXTILE BONDING EQUIPMENT"  
AND A NEW SUB-PARAGRAPH (I) WAS ADDED TO READ "PAPER  
CUTTING EQUIPMENT". THE FORMER PARAGRAPH (I) WAS MOVED  
TO FORM A NEW PARAGRAPH 3. ALL DELEGATES ACCEPTED  
THESE AMENDED PARAGRAPHS (H) AND (I).

13) PARAGRAPH (J) WAS ACCEPTED BY ALL DELEGATES. A  
NEW PARAGRAPH 3 WAS PROPOSED CONSISTING OF THE FORMER  
SUB-PARAGRAPH (I). ALL DELEGATES ACCEPTED. THE UK WAN-  
TED TO EXCLUDE CARBON DIOXIDE LASER EQUIPMENT FOR INDUS-  
TRIAL MACHINING AND JOINING PROCESSES CLAIMING THEIR  
HIGH-POWER LASERS OF THIS TYPE ARE USED FOR THIS TYPE  
EQUIPMENT. CANADA AGREED WITH THE UK STATING THEY WOULD  
LIKE TO SEE SOME CRUDE MACHINING EQUIPMENT EXCLUDED UN-  
DER THIS ITEM. THE US REQUESTED BROCHURES PLUS AN EXACT  
WORDING FOR THIS TYPE EQUIPMENT UNDER PARAGRAPH 2. THE  
UK ACCEPTED THIS SUGGESTION. GERMANY AND FRANCE ALSO  
REQUESTED MORE DETAILED INFORMATION ON THE UK EQUIPMENT.

14) NOTE 1, WHICH IS THE SAME AS THE PRESENT NOTE 1,  
WAS ACCEPTED BY ALL DELEGATES.

15) THE UK WITHDREW ALL THEIR PROPOSALS PROVIDED THE  
SUBSTANCE OF THE US PROPOSAL IS ACCEPTED.

16) FOLLOWING IS A DRAFT OF IL 1522 AS IT NOW APPEARS  
WITH ALL AMENDMENTS AND CHANGES SUGGESTED DURING THESE  
ROUND II DISCUSSIONS:

"1522 LASERS AND SPECIALLY DESIGNED COMPONENTS AND PARTS  
THEREFOR AND ANY EQUIPMENT CONTAINING LASERS EXCEPT:

1. THE FOLLOWING LASERS:

(A) ARGON, KRYPTON AND DYE LASERS WITH BOTH OF  
THE FOLLOWING CHARACTERISTICS:

(I) AN OUTPUT WAVELENGTH SHORTER THAN 0.8  
MICRONS

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- (II) A TOTAL RATED MINIMUM OUTPUT POWER  
OVER ALL SPECTRAL LINES NOT EXCEEDING 100  
WATTS AVERAGE OR 1000 WATTS PEAK.
- (B) HELIUM-CADMIUM AND NITROGEN LASERS WITH BOTH  
OF THE FOLLOWING CHARACTERISTICS:
  - (I) AN OUTPUT WAVELENGTH SHORTER THAN  
0.8 MICRONS
  - (II) A TOTAL RATED MINIMUM OUTPUT POWER  
NOT EXCEEDING 100 WATTS AVERAGE OR 1000  
WATTS PEAK.
- (C) HELIUM-NEON LASERS WITH AN OUTPUT WAVELENGTH  
SHORTER THAN 0.8 MICRONS.
- (D) RUBY LASERS WITH BOTH OF THE FOLLOWING CHA-  
RACTERISTICS:

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CIAE-00 COME-00 MC-02 ACDA-05 OES-03 EA-06 /041 W  
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C O N F I D E N T I A L SECTION 03 OF 04 OECD PARIS 08157

- (I) AN OUTPUT WAVELENGTH SHORTER THAN 0.8  
MICRONS
- (II) AN ENERGY OUTPUT NOT EXCEEDING 2  
JOULES.
- (E) CO2 LASERS WITH ALL OF THE FOLLOWING CHARAC-  
TERISTICS:
  - (I) OUTPUT WAVELENGTHS IN THE RANGE FROM  
9 TO 11 MICRONS

(II) AN AVERAGE OUTPUT POWER OF 5000 WATTS OR LESS

(III) IN WHICH THE BEAM, ELECTRICAL EXCITATION AND GAS FLOW, IF ANY, ARE IN THE SAME DIRECTION; AND THOSE USING THE TEA (TRANSVERSE EXCITATION ATMOSPHERIC) PRINCIPLE FOR EXCITATION.

(F) ND: YAG AND ND: GLASS LASERS WITH BOTH OF THE FOLLOWING CHARACTERISTICS:

(I) AN OUTPUT WAVELENGTH OF 1.06 MICRONS  
(II) A PULSE OUTPUT NOT EXCEEDING 0.5 JOULES OR A CONTINUOUS WAVE RATED MINIMUM OUTPUT NOT EXCEEDING 10 WATTS.

2. THE FOLLOWING EQUIPMENT CONTAINING LASERS EXCLUDED IN 1 ABOVE:

(A) SPECIALLY DESIGNED FOR INDUSTRIAL AND CIVILIAN INTRUSION DETECTION AND ALARM SYSTEMS.  
(B) SPECIALLY DESIGNED FOR MEDICAL APPLICATIONS.

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(C) SIMPLE EDUCATIONAL DEVICES  
(D) SPECIALLY DESIGNED FOR TRAFFIC AND INDUSTRIAL MOVEMENT CONTROL AND COUNTING SYSTEMS  
(E) SPECIALLY DESIGNED FOR DETECTION OF ENVIRONMENTAL POLLUTION  
(F) OPTICAL SPECTROMETERS AND DENSITOMETERS  
(G) EQUIPMENT CONTAINING CONTINUOUS WAVE, HELIUM-NEON GAS LASERS  
(H) TEXTILE CUTTING AND TEXTILE BONDING EQUIPMENT  
(I) PAPER CUTTING EQUIPMENT  
(J) SPECIALLY DESIGNED FOR DRILLING DIAMOND DIES FOR THE WIRE DRAWING INDUSTRY

3. EQUIPMENT CONTAINING LASERS EXCLUDED IN 1(F) ABOVE SPECIALLY DESIGNED FOR EDUCATION AND/OR LABORATORY PURPOSES.

NOTE 1. THE TERM "SPECIALLY DESIGNED COMPONENTS AND PARTS" IS INTENDED TO INCLUDE THE ACTIVE COMPONENT IN SEMI-FABRICATED FORM AS WELL AS FABRICATED FORM.

2. THIS ITEM IS INTENDED TO EMBARGO SEMI-CONDUCTOR LASERS BUT NOT NON-COHERENT LIGHT EMITTING DIODES (LED'S) AND ASSEMBLIES OR INTEGRATED CIRCUITS CONTAINING SUCH LED'S (SEE ALSO ITEMS 1544 AND 1564).

3. EQUIPMENT CONTAINING LASERS LISTED IN EXCLUSION CLAUSE 1 ABOVE, MAY BE ADDED TO THE LIST OF EQUIPMENT IN EXCLUSION CLAUSES 2 AND 3 ABOVE, SUBJECT TO THE FOLLOWING CONDITIONS:

(1) THE EQUIPMENT HAS BEEN DESIGNED SPECIFICALLY FOR IDENTIFIABLE CIVIL APPLICATIONS (S) AND, BY NATURE OF DESIGN OR PERFORMANCE, IS SUBSTANTIALLY RESTRICTED TO THE PARTICULAR APPLI-

CATION FOR WHICH IT HAS BEEN DESIGNED.

(2) THE GOVERNMENT PROPOSING SUCH AN ADDITION  
HAS SUBMITTED TO THE COMMITTEE DETAILS OF THE  
EQUIPMENT AND PROPOSED WORDING FOR THE ADDITION.

THE COMMITTEE SHALL REACH A FINAL DECISION ON  
EACH APPLICATION WITHIN 30 DAYS AFTER RECEIPT OF

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C O N F I D E N T I A L SECTION 04 OF 04 OECD PARIS 08157

THE TECHNICAL DETAILS OF THE EQUIPMENT."

17) USDEL COMMENT: IN SPITE OF THE FACT THAT  
THE REVISED US COUNTERPROPOSAL REPRESENTED A DE JURE  
TIGHTENING OF THE EMBARGO AND A LIMITATION OF THE RE-  
LAXATIONS WE HAD PREVIOUSLY PROPOSED AND IN SPITE OF  
THE ELEVENTH-HOUR NATURE OF THE INSTRUCTIONS, THE WILL-  
INGNESS OF THE OTHER MEMBERS TO ACCEPT THE TIGHTENING  
WITH NO DEMUR SHOULD BE A CAUSE FOR GRATIFICATION BY  
THE US. IT COULD NOT HAVE BEEN ACCOMPLISHED WITHOUT  
THE DETAILED AND SPECIFIC EXAMPLES OF THE STRATEGICALLY  
SIGNIFICANT EQUIPMENT FOR WHICH WE SOUGHT CONTINUED EM-  
BARGO COVERAGE, AND THE USDEL AND WASH TEAM APPRE-  
CIATE THIS MOST EFFECTIVE AMMUNITION THEY WERE GIVEN IN  
THIS CASE. REGRETTABLY, SIMILARLY PERSUASIVE EVIDENCE  
HAS OFTEN BEEN LACKING IN OUR NEGOTIATING  
INSTRUCTIONS AND/OR BACK-UP MATERIALS ON OTHER ITEMS,  
AND WE HOPE THIS INSTANCE WILL SERVE TO ALERT EDAC

POLICY OFFICIALS TO REVIEW THE US POSITION ON STILL  
PENDING ROUND II ITEMS (AND ROUND III PREPARATIONS) IN  
THIS LIGHT.

18. ACTION REQUESTED: REQUEST FINAL INSTRUCTIONS  
AUTHORIZING ACCEPTANCE OF THE ABOVE DEFINITION.  
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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** LASERS, MEETINGS, STRATEGIC TRADE CONTROLS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 02 APR 1975  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Authority:** GarlanWA  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 28 MAY 2004  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1975OECDP08157  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** X1  
**Errors:** N/A  
**Film Number:** D750113-1188  
**From:** OECD PARIS  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1975/newtext/t19750489/aaaaddkg.tel  
**Line Count:** 391  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ACTION EB  
**Original Classification:** CONFIDENTIAL  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 8  
**Previous Channel Indicators:** n/a  
**Previous Classification:** CONFIDENTIAL  
**Previous Handling Restrictions:** n/a  
**Reference:** 75 COCOM DOC REV (722  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** GarlanWA  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 19 JUN 2003  
**Review Event:**  
**Review Exemptions:** n/a  
**Review History:** WITHDRAWN <13 MAY 2003 by izenbei0, EXCON>; RELEASED <19 JUN 2003 by GarlanWA>; APPROVED <19 JUN 2003 by GarlanWA>  
**Review Markings:**

Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
05 JUL 2006

**Review Media Identifier:**  
**Review Referrals:** n/a  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** COCOM LIST REVIEW - IL 1522 - LASERS AND EQUIPMENT CONTAINING LASERS  
**TAGS:** ESTC, COCOM  
**To:** STATE  
**Type:** TE  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006